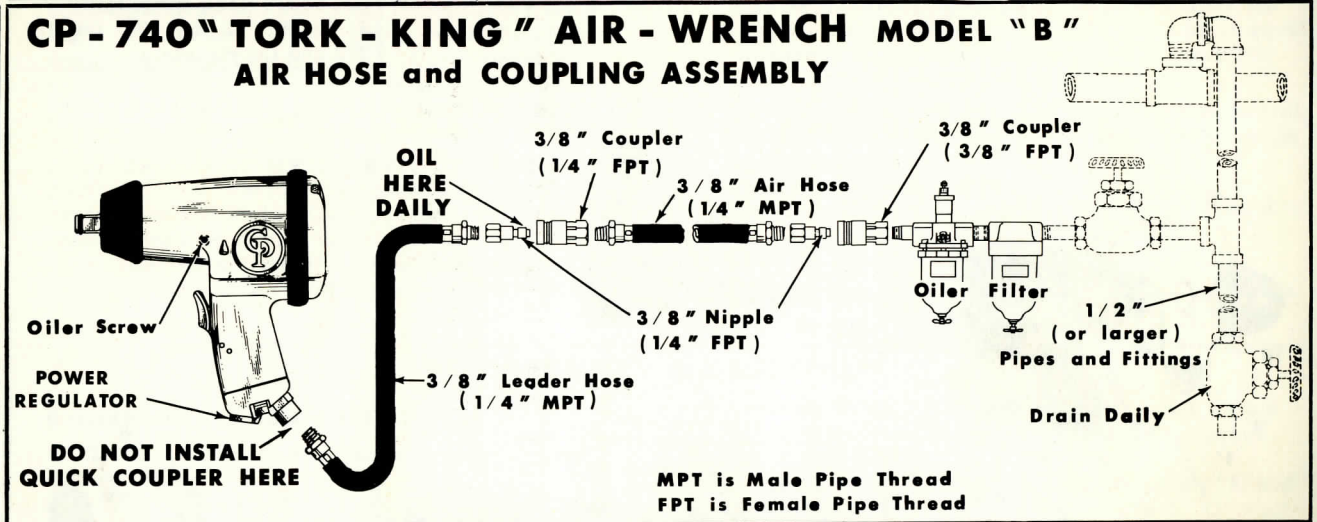
Chicago Pneumatic
6 EAST 44th STREET, NEW YORK 17, N.Y.

PARTS LIST PNEUMATIC C - 378 - B

First Edition Dated JANUARY, 1964

CP - 740 " TORK - KING " AIR - WRENCH MODEL " B "

AIR HOSE and COUPLING ASSEMBLY


OIL HERE DAILY
3/8 " Coupler (1/4 " FPT)
3/8 " Air Hose (1/4 " MPT)
3/8 " Coupler (3/8 " FPT)
Oiler Screw
POWER REGULATOR
DO NOT INSTALL QUICK COUPLER HERE
3/8 " Leader Hose (1/4 " MPT)
3/8 " Nipple (1/4 " FPT)
Oiler
Filter
1/2 " (or larger) Pipes and Fittings
Drain Daily
MPT is Male Pipe Thread
FPT is Female Pipe Thread

MAINTENANCE INSTRUCTIONS

LUBRICATION

Daily before using and at the end of each shift, uncouple air hose and pour a liberal quantity of gum solvent oil into air inlet. Connect and operate tool to flush out gum and dirt accumulations from air motor and lubricate moving parts. Balance of oil is retained in automatic oiler.

Monthly, check oil in impact unit and add if needed. The housing should be half filled with SAE #30 oil. Use approximately 3/4 oz. maximum.

Lubricate angle head with a good ball bearing grease after each five hours use. Remove pipe plug and inject about 2 shots of grease.

AIR SUPPLY

An air compressor of at least one horsepower with four CFM delivery at 100 psi, with an air tank of at least 40 gallons capacity is required.

Pipe and fittings between compressor and air hose should be at least 1/2" nominal size (5/8" I.D.). Be sure piping is free of dips or sags where moisture can collect and restrict air flow.

Air hose should be at least 3/8" I.D. When two or more lengths of hose are connected together, all except the short leader hose should be 1/2" I.D.

Couplers, as shown in the illustration above, may be used. Do not connect couplers directly to the air inlet. They increase the overall bulk of the tool, put an unnecessary strain on the tool inlet threads.

The use of air filters and air line lubricators is recommended. Clean air screen frequently to remove accumulations of foreign matter which restrict air flow. Never omit screen from the Air-Wrench.

IMPORTANT: A minimum of 100 psi of clean, dry air is required AT THE AIR-WRENCH. The above recommendations are minimum requirements for obtaining the volume and pressure required for satisfactory performance.

OPERATION

Before each shift, drain water out of air tank and blow condensation from air lines. Blow down compressor more frequently in hot, humid weather.

After clearing air compressor of moisture and lubricating wrench, connect to a proper size air hose and select a socket which fits tool shank and nut closely. Loose, worn or cracked sockets reduce impact power. Where possible, use deep sockets in place of long, springy extension bars which absorb impact. Always use the simplest socket hook-up possible, as each connection reduces available power.

To set Air-Wrench to desired power, select a nut or screw of known tightness of the same size, thread pitch and thread condition as those on the job. Turn power regulator to low position, apply wrench to nut and gradually increase power (turn regulator to admit more air) until nut moves slightly in the direction it was originally set. The wrench is now set to duplicate that tightness, note regulator setting for future use. When tightening nuts not requiring critical torque values, run nut up flush and then tighten an additional one quarter to one half turn (slight additional turning is necessary if gaskets are being clamped). For additional power needed on disassembly work, turn regulator to its fully open position.

This Air-Wrench is rated at 1/2" USS bolt size. Rating must be down graded for spring U bolts, tie bolts, long cap screws, double depth nuts, badly rusted conditions and spring loaded fasteners as they absorb much of the impact power. When possible clamp or wedge the bolt to prevent spring-back. Soak rusted nuts in penetrating oil and break rust seal before running off with Air-Wrench. If nut does not start to move in three to five seconds, use a larger size Air-Wrench. Do not use Air-Wrench beyond rated capacity as this will drastically reduce tool life.

ATTACHING ANGLE HEAD TO AIR - WRENCH

Slip rubber shield (116) off wrench, lift clamp lever (210) and line up clamp bolt (207) with flat on wrench

Continued on page 3

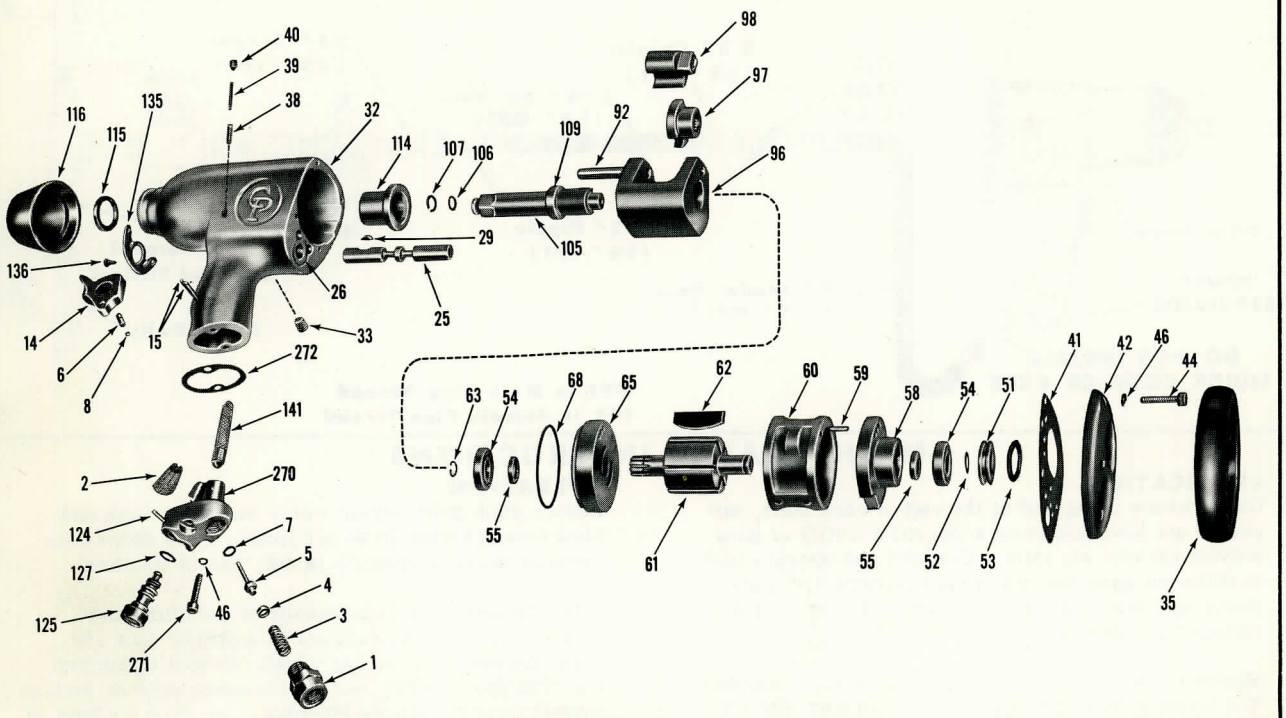
First Edition Dated JANUARY, 1964

CP - 740 " TORK - KING " AIR - WRENCH

1/2 " SQUARE DRIVE MODEL " B "

TUNE - UP KIT

CA-58920 (Incl: Index No's. 7, 8, 53, 55, 62, 68, 107, 115, 127, 272 and Lubricants.)



PARTS LIST

Index No.	CP Part No.	Description	No. Req'd.
1	CA-91545P	Throttle Cap	1
2	CA-46590P	Air Strainer	1
3	CA-46613P	Throttle Valve Spring	1
4	CA-94885P	"O" Ring Retainer	1
5	CA-99901P	Throttle Valve	1
6	CA-99899P	Push Pin	1
7	P-89268P	"O" Ring	1
8	P-92750P	"O" Ring	1
14	CA-99927P	Trigger	1
15	S-14764P	Throttle Lever Pin	2
25	CA-99906P	Reverse Valve	1
26	CA-99905P	Reverse Valve Bushing (Use #19 (.166) Drill Through Stop Pin Hole) (Ream with 7/16" Reamer)	1
29	CA-91758P	Reverse Valve Pawl	1
32	CA-56261P	Housing (Incl: Index No's. 15, 26, 33, 114 & 115)	
33	S-89953P	Oiler Plug	1
35	CA-56260P	Housing Band	1
38	CA-99898P	Reverse Valve Stop Pin	1
39	CA-99902P	Spring	1
40	CA-47653P	Set Screw	1
41	CA-56258P	Cover Gasket	1
42	CA-56201P	Housing Cover	1
44	CA-88193P	Screw (#10 - 24 x 7/8")	4
46	S-91250P	Lockwasher #10	6
51	C-87512P	"O" Ring Retainer	1
52	C-87833P	Retaining Ring	1
53	C-84173P	"O" Ring	1
54	C-66342P	Ball Bearing	2
55	CA-87513P	Oil Seal	2
58	C-87514P	Rear End Plate	1
59	C-85245P	Liner Dowel	1
60	C-85244P	Liner	1
61	CA-88856P	Rotor	1
62	CA-90638P	Rotor Blade Set (Consists of 6 CA-85252 Rotor Blades)	6
63	CA-87826P	Snap Ring	1
65	C-87515P	Front End Plate	1
68	C-87266P	"O" Ring	1
92	CA-88864P	Clutch Dog Pin	1
96	CA-88861P	Clutch Dog Cage	1
97	CA-88863P	Dog Cam	1
98	CA-88860P	Clutch Dog	1
105	CA-88862P	Anvil Shank (1/2" Sq. Dr.) (Incl: #106, 107 & 109)	1
	CA-98562P	Anvil Shank (2" Longer) (1/2" Sq. Dr.) (Incl: No's. 106, 107 & 109	
106	P-83071P	"O" Ring	1
107	CA-88097P	Socket Retainer	1
109	CA-98563P	Dog Cage Bushing	1
114	CA-88858P	Housing Bushing	1
115	CA-88095P	Oil Seal	1
116	CA-56259P	Housing Shield	1
124	CA-91533P	Roll Pin	1
125	CA-46691P	Air Regulator (Incl: #127)	1
127	A-82777P	"O" Ring	1
135	CA-99897P	Exhaust Deflector	1
136	CA-91604P	Screw (#8 - 32 x 5/16")	2
141	CA-46690P	Oiler	1
270	CA-46688P	Valve Block	1
271	C-89718P	Screw (#10 - 24 x 1 1/4")	2
272	CA-99895P	Block Gasket	1

nose. Slip angle head on wrench, idle motor and rock angle head into position. Do not tap or force angle head on tool. Press clamp lever down against angle housing to lock in place. If adjustment is needed, hold lever down and tighten stop nut (209) until angle head is snug on tool. DO NOT OVER-TIGHTEN.

LOSS OF POWER OR ERRATIC ACTION

Factors outside the tool may cause loss of power or erratic action. Reduced compressor output, excessive drain on the air line, moisture or restrictions in air pipes or the use of hose or connections of improper size or poor condition may reduce air supply.

Grit or gum deposits in the tool may cut power and may be corrected by cleaning the air strainer and flushing out the tool with gum solvent oil or an equal mixture of SAE #10 oil and kerosene. Check for loose, worn or cracked sockets.

If outside conditions are in order, disassemble tool, replace worn or damaged parts, clean, reassemble and relubricate.

REPLACEMENT PARTS

Replacement parts or services may be obtained from your local jobber or the nearest CHICAGO PNEUMATIC Service Station listed in SP-4025.

When replacement parts are required, order by CP Part No. and Description in the Parts List.

DISASSEMBLY & ASSEMBLY

DISASSEMBLY - SUB ASSEMBLIES

1. Drain oil from housing (32) and remove cover (42) and gasket (41).
2. Press on end of anvil shank (105) and remove impact unit and motor from housing.

DISASSEMBLY - MOTOR

1. Remove "O" ring retainer (51) and "O" ring (53) from rear end plate (58) and remove retaining rings (52, 63) from ends of rotor (61).
2. Slip end plates (58, 65) with ball bearings (54) off rotor. Remove liner (60), liner dowel (59) and rotor blades (62) from rotor.
3. Remove "O" ring (68) from front end plate .
4. If replacement is necessary, remove ball bearings (54) and oil seals (55) from end plates.

DISASSEMBLY - IMPACT UNIT

1. Remove clutch dog pin (92) from cage (96) and remove clutch dog (98), anvil shank (105) and cam (97).
2. If replacement is necessary, remove cage bushing (109) from anvil shank.

DISASSEMBLY - MOTOR HOUSING

1. Remove housing shield (116). Remove set screw (40), stop pin spring (39) and stop pin (38) and pull reverse valve (25) out of housing. DO NOT lose pawl (29).
2. If replacement is necessary, pull reverse valve bushing (26) out of housing.
3. Drive roll pin (124) out of housing and remove air regulator (125) with "O" ring (127).
4. Unscrew throttle cap (1) and remove throttle spring (3), "O" ring retainer (4), throttle valve (5) and "O" ring (7).
5. Remove valve block (270) and gasket (272) from housing.
6. Remove trigger pins (15) and lift trigger (14) out of housing. Remove throttle push pin (6) with "O" ring (8).
7. If replacement is necessary, press housing bushing (114) out of housing.

ASSEMBLY - MOTOR

1. Coat O.D. of oil seals (55) with rubber cement and press seals carefully into end plates (58, 65). Lips of seals must face outward, away from motor.
2. Applying pressure on outer race, press ball bearings (54) into end plates. Place "O" ring (68) on front end plate.
3. Using housing cover (42) as a jig, place gasket (41) on cover and insert liner dowel (59) in dowel hole in cover.
4. Insert rotor (61) through rear end plate (58) and attach retaining ring (52) to rotor. Place "O" ring (53) in "O" ring retainer (51) and place retainer in end plate.
5. Place rotor with attached end plate on housing cover with dowel pin through dowel hole in end plate.
6. Place liner (60) on end plate with dowel pin through dowel hole in liner. Place rotor blades (62) in rotor slots.
7. Place front end plate (65) on rotor and fasten with snap ring (63).
8. Leave motor assembly on cover while assembling impact unit.

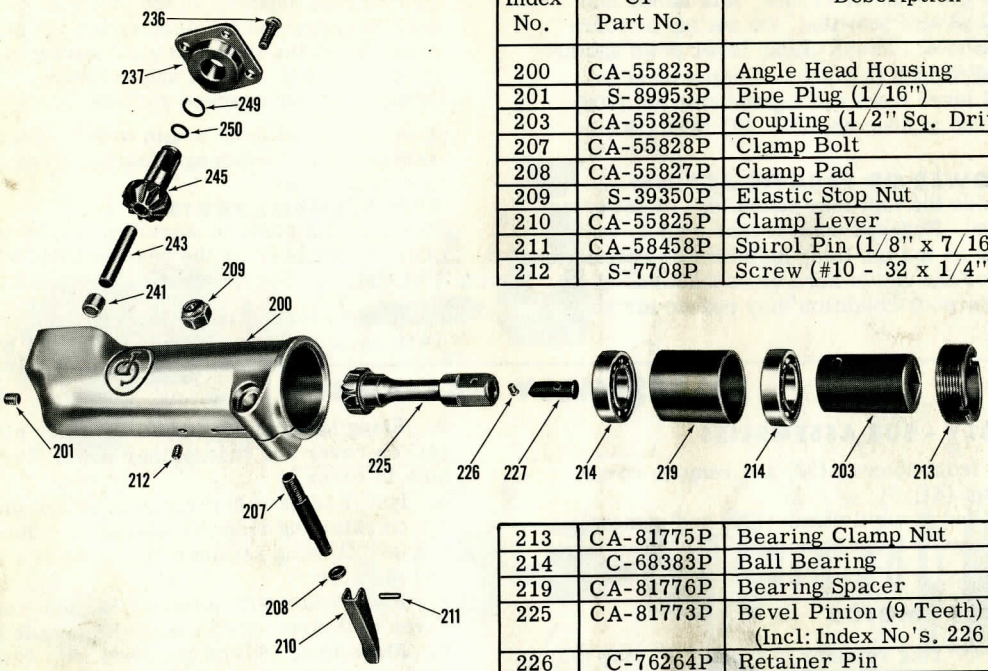
ASSEMBLY - IMPACT UNIT

1. Place dog cam (97) in cage (96) with shoulder of cam against thinner end of cage. Place dog (98) in cage and slip pin (92) through cage and dog.
2. Assemble anvil shank (105) in cage and place impact unit on splined end of rotor.

ASSEMBLY - MOTOR HOUSING

1. Press housing bushing (114) into housing (32). Press reverse valve bushing (26) into housing, matching two grooves on bushing with open edges in bored holes in face of housing as shown in parts photograph. Drill through stop pin hole with #19 (.166") drill to permit stop pin to pass through bushing wall. Ream bushing with standard 7/16" reamer.
2. Coat O.D. of NEW oil seal (115) with rubber cement and press carefully into motor housing flush and square with the bore, with lips pointing INWARD. Assemble "O" ring (8) on throttle push pin (6), place pin in housing and install trigger (14). Assemble exhaust deflector (135) to housing.
3. Screw oiler (141) into valve block (270), place air strainer (2) in block and fasten block and gasket (272) to housing. Assemble "O" ring (127) on air regulator (125), insert regulator in housing and fasten with roll pin (124).
4. Place "O" ring (7) and "O" ring retainer (4) on throttle valve (5). Place valve in throttle spring (3) and spring in throttle cap (1). Screw cap into valve block.
5. Place flat of pawl (29) in slot in reverse valve (25). Slip valve into bushing (26), insert stop pin (38) and spring (39) into housing and screw set screw (40) on top of spring.
6. Lower motor housing over assembled motor and impact unit. Fasten cover (42) to motor housing. Lubricate Air-Wrench as recommended on page 1.

CA-47253A ANGLE HEAD
1/2" SQUARE DRIVE



Index No.	CP Part No.	Description	No. Req'd.
200	CA-55823P	Angle Head Housing	1
201	S-89953P	Pipe Plug (1/16")	1
203	CA-55826P	Coupling (1/2" Sq. Drive)	1
207	CA-55828P	Clamp Bolt	1
208	CA-55827P	Clamp Pad	1
209	S-39350P	Elastic Stop Nut	1
210	CA-55825P	Clamp Lever	1
211	CA-58458P	Spirol Pin (1/8" x 7/16")	1
212	S-7708P	Screw (#10 - 32 x 1/4")	1
213	CA-81775P	Bearing Clamp Nut	1
214	C-68383P	Ball Bearing	2
219	CA-81776P	Bearing Spacer	1
225	CA-81773P	Bevel Pinion (9 Teeth) (Incl: Index No's. 226 & 227)	1
226	C-76264P	Retainer Pin	1
227	C-76263P	Retainer Plug	1
236	CA-55830P	Screw (1/4" - 20 x 3/4")	4
237	CA-55824P	Housing Cap	1
241	C-89713P	Needle Bearing	1
243	CA-55829P	Bevel Gear Spindle	1
245	CA-58457P	Bevel Gear (12 Teeth) (Incl: Index No's. 249 & 250)	1
249	CA-83097P	Socket Retainer Ring	1
250	P-83071P	"O" Ring	1

DISASSEMBLY & ASSEMBLY

DISASSEMBLY

1. Remove nut (209) and clamp bolt (207) from housing (200). If necessary, drive Spirol pin (211) out of clamp lever (210).
2. Remove set screw (212) and unscrew clamp nut (213) with "T" wrench. Tap open end of housing with soft mallet to remove bevel pinion assembly.
3. Remove Allen screws (236), housing cap (237) and bevel gear assembly. If necessary, pull needle bearing (241) from housing.

ASSEMBLY

1. Press needle bearing (241) in angle housing (200). Insert gear spindle (243) in bevel gear (245) and place in housing. Attach housing cap (237) with Allen screws (236). Assemble "O" ring (250) and retainer ring (249) on gear.
2. Using inner race, press ball bearing (214) on bevel pinion (225) and assemble bearing spacer (219). Press second bearing (214) on pinion. Insert pin (226) and plug (227) in pinion and attach coupling (203).
3. Drop pinion assembly in angle housing until teeth are meshed. Screw clamp nut (213) into housing, align drill point in clamp nut with hole in housing and assemble set screw (212). If new clamp nut is used, spot threads with 5/32" drill.
4. Slide clamp bolt (207) and lever (210) in housing. Tighten stop nut (209) until angle housing clamps securely on tool housing. DO NOT OVERTIGHTEN.

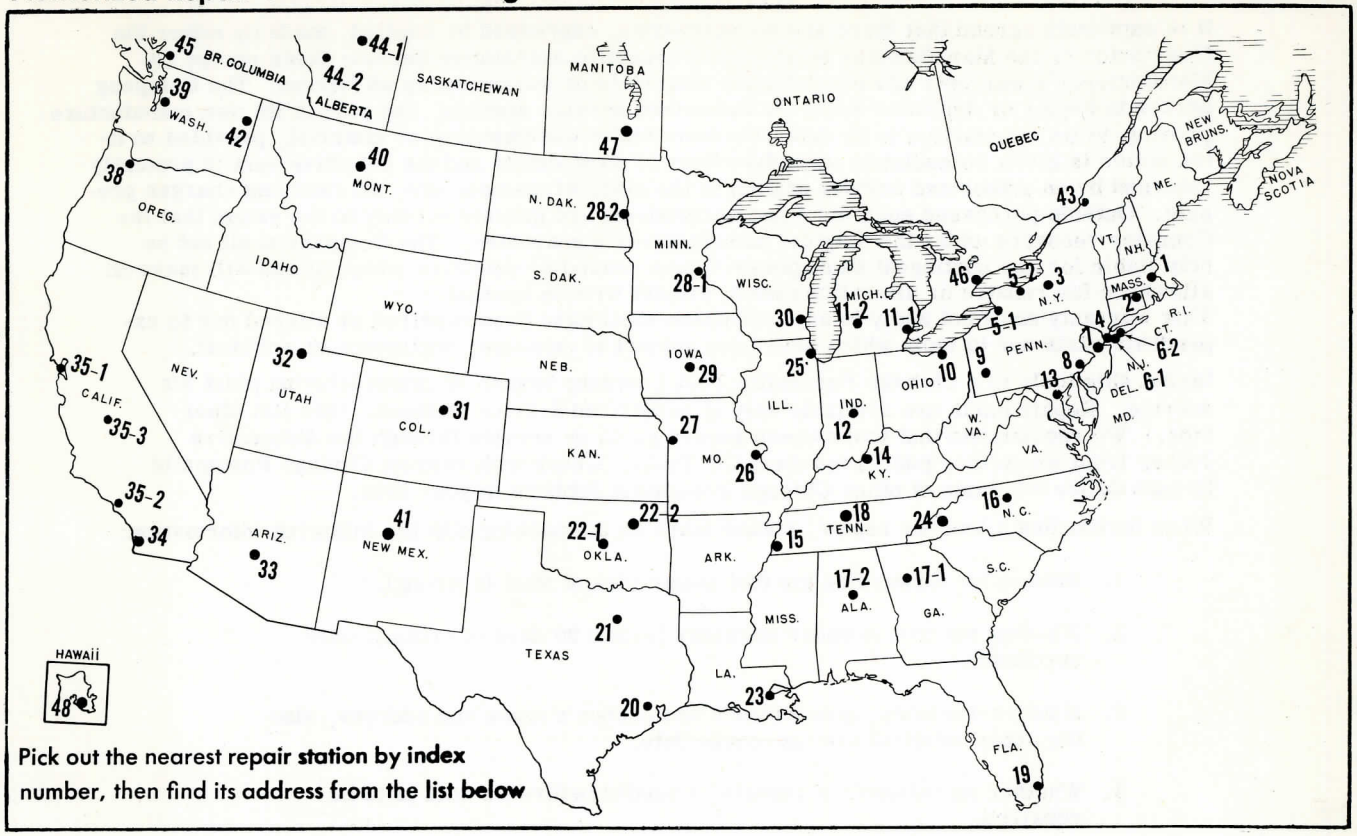
CHICAGO PNEUMATIC BRANCH OFFICES

ATLANTA 9, GA. ..... 517 Armour Circle, N.E. (Phone: 404-874-8696)
BIRMINGHAM 4, ALA. ..... 810 5th Avenue North (Phone: 205-251-6289)
BOSTON, MASS. ..... 76 Lincoln St. (Brighton 35) (Phone: 617 ST-2-8088)
BUFFALO 23, N.Y. ..... 1591 Kenmore Avenue (Phone: 716 TRinity 3-1067)
CHICAGO, ILL. ..... 2525 Lexington Street, Broadview, Ill. (Phone: 312-921-0300)
CINCINNATI 29, OHIO ..... 4511 Reading Road (Phone: 513 JE-1-6325)
CLEVELAND 14, OHIO ..... 1643 Superior Avenue (Phone: 216 MAin 1-8065)
DALLAS 7, TEXAS ..... 2257 Vantage Street (Phone: 214 MElrose 1-0230)
DENVER 4, COLO. ..... 505 Bryant Street (Phone: 303-292-1292)
DETROIT 26, MICH. ..... 570 East Larned Street (Phone: 313 WO-1-3841)
HOUSTON 23, TEXAS ..... 2120 Canada Dry St. (Phone: 713 WA-3-4601)
INDIANAPOLIS 18, IND. ..... 3760 Kinnear Ave. (Phone: 317 WA-3-2547)
KANSAS CITY 29, MO. ..... 7903 East 50 Highway (Phone: 816 FL-6-3623)
LOS ANGELES 22, CALIF. ..... 6935 Bandini Blvd. (Phone: 213 RA-3-8731)
MILWAUKEE 13, WISC. ..... 5820 W. Blue Mound Rd. (Phone: 414 BLue Mound 8-2080)
MINNEAPOLIS 6, MINN. ..... 2812 East 26th St. (Phone: 612 PA-1-5725)
NEW ORLEANS 19, LA. ..... 3303 Tulane Ave. (Phone: 504 HU-2-5715)
NEW YORK 17, N.Y. (General Offices) ..... 6 East 44th Street (Phone: 212 MU-7-1700)
PHILADELPHIA, PA. ..... 312 East Lancaster Ave., Wynnewood, Pa. (Phone: 515 MI-9-9300)
PITTSBURGH 13, PA. ..... 369 Coltart Ave. (Phone: 412 MUseum 1-9822)
ST. LOUIS 17, MO. ..... 8029 Litzsinger Rd. (Phone: 314 MIssion 5-7511)
SALT LAKE CITY 1, UTAH ..... 156 West 4th South (Phone: 801 Elgin 5-2985)
SAN FRANCISCO, CALIF. ..... 145 Mitchell Ave., So. San Francisco, Calif. (Phone: 415 JU-9-2342)
SEATTLE 4, WASH. ..... 2901 First Avenue, South (Phone: 206 MAin 2-3930)
TULSA 15, OKLA. ..... 2239 N. Harvard Ave. (Phone: 918 WEbster 9-4475)

Authorized Repair Stations For Chicago Pneumatic Automotive Tools

SP-4025

33 rd Edition JANUARY, 1964



Pick out the nearest repair station by index number, then find its address from the list below

1 - (A) Boston Hydraulic Service
1182 Columbus Avenue
Boston 31, Mass.

2 - (B) John The Jack Man
P. O. Box 33
Stafford Springs, Conn.

3 - (B) Duplex Equipment Co.
213 Grand Avenue
Syracuse 4, New York

4 - (A) Corona Air Equipment Co., Inc.
960 Close Avenue
Bronx 72, New York

5-1- (B) Buffalo Hyd. Jack Service
1675 Broadway
Buffalo 12, New York

5-2- (C) Buffalo Hyd. Jack Service
16 Leavenworth Street
Rochester, New York

6-1 - (A) White Tool Service
1386 Bushwick Avenue
Brooklyn, New York

6-2 - (C) White Tool Service
223 Hempstead Turnpike
West Hempstead, N.Y.

7 - (A) The Air-Drolics Co.
735 Lincoln Blvd.
Middlesex, N.J.

8 - (A) Equipment Service Company
1921 Callow Hill Street
Philadelphia 30, Pennsylvania

9 - (A) Mac's Hyd. Jack & Equip. Serv.
5804 Centre Avenue
Pittsburgh 6, Pennsylvania

10 - (A) Electrical Tool Service, Co.
3734 Payne Avenue
Cleveland 14, Ohio

11-1- (A) Hydraulic Service, Inc.
2715 Fifth Street
Detroit 1, Michigan

11-2- (C) Hydraulic Service Inc.
449 Market Street S.W.
Grand Rapids, Michigan

12 - (A) Electric Tool & Motor Serv. Inc.
1001 No. Illinois St.
Indianapolis 4, Indiana

13 - (A) Baltimore Hydraulics, Inc.
108 Front Street
Baltimore 2, Maryland

14 - (A) Queen Hydraulics Co.
1226 Rowan Street
Louisville 3, Kentucky

15 - (B) Jack Flint & Sons
244 Jefferson Avenue
Memphis, Tennessee

16 - (A) Power Tool Service, Inc.
867 Huffman Street
Greensboro, N.C.

17-1- (A) Tool Service Company
225 Simpson Street, N.W.
Atlanta 13, Georgia

17-2- (C) Tool Service Company
716 13th Street North
Birmingham, Alabama

18 - (B) Tennessee Electric Motor Co.
408 6th Avenue South
Nashville, Tennessee

19 - (A) Nieman-Wilson, Inc.
274 N.W. 54th Street
Miami 37, Florida

20 - (A) Hydraulic Equipment Service Co.
1021 North San Jacinto Street
Houston 2, Texas

21 - (A) Commercial Parts, Inc.
3806 Ross Avenue
Dallas 4, Texas

22-1- (B) Hydraulic Equipment Company
417 West California Street
Oklahoma City 4, Oklahoma

22-2- (C) Hydraulic Equipment Company
2221 S.W. Blvd.
Tulsa, Oklahoma

23 - (A) Beerman Precision Mach. Wks.
2021 Thalia Street
New Orleans 12, La.

24 - (A) Retreaders Supply Company
35 Eagle Street
Asheville, North Carolina

25 - (A) Servall Engineering Co.
3937 North Kedzle Ave.
Chicago 18, Illinois

26 - (A) Standard Electric Co., Inc.
3880 Washington Blvd.
St. Louis 8, Missouri

27 - (A) Heath Electric Service Co.
518-20 East 16th Street
Kansas City 8, Missouri

28-1- (A) General Parts & Supply Co., Inc.
593 No. Fairview
St. Paul 4W, Minnesota

28-2- (C) General Parts & Supply Co., Inc.
806 Main Avenue
Fargo, N. Dakota

29 - (A) Turner's Hydraulic Service
1617 - 6th Avenue
Des Moines 14, Iowa

30 - (A) Hader Industries
4916 N. 125th Street
Butler, Wisconsin

31 - (A) Automotive Tool Service
859 Santa Fe Drive
Denver 4, Colorado

32 - (B) Wilson Transport Supply Co.
665 South State Street
Salt Lake City, Utah

33 - (A) Air Draulics Company
3135 N. 29th Avenue
Phoenix 17, Arizona

34 - (B) Authorized Equipment Serv.
420 West Beech Street
San Diego 1, California

35-2- (A) Kimmerle Bros.
2300 S. Hill Street
Los Angeles 7, Calif.

35-3- (C) Kimmerle Bros.
2230 Inyo Street
Fresno 21, Calif.

35-1- (A) Kimmerle Bros.
226 - 11th Street
San Francisco 3, Calif.

38 - (A) Karn Repair Service, Inc.
1215 S. W. 16th Avenue
Portland 5, Oregon

39 - (A) Universal Repair Shop
1611 Boylston Avenue
Seattle 22, Washington

40 - (C) Mosch Electric Company
109 Second St. South
Great Falls, Montana

41 - (C) Appliance Service Center
5505 Silver Avenue S.E.
Albuquerque, New Mexico

42 - (C) K & N Electric Motors, Inc.
1311 N. Washington Street
Spokane 1, Washington

43 - (A) Instrument Sales & Service
1089 Bleury Street
Montreal, Quebec

44-1- (C) Paramount Industries, Ltd.
1029 9th Avenue
Calgary, Alberta

44-2- (C) Paramount Industries, Ltd.
10560 - 115th Street
Edmonton, Alberta

45 - (C) Hyd. Service & Equip. Co., Ltd
100 East 2nd Avenue
Vancouver, British Columbia

46 - (A) Canadian Pneu. Tool Co. Ltd.
198 Evans Avenue
Toronto 14, Ontario

47 - (C) Kings Electric Motors
835 Main Street
Winnipeg, Manitoba

48 - (C) Art C. Neely, Inc.
825 Keeaumoku Street
Honolulu 14, Hawaii

(Over)

MANUFACTURER'S WARRANTY

It is expressly agreed that there are no warranties, expressed or implied, made by either the Distributor or the Manufacturer on Chicago Pneumatic Automotive Service Tools except the Manufacturer's warranty against defective materials or workmanship as follows: The Company agrees to repair or duplicate F.O.B. its authorized service stations, any part of its own manufacture proving to its satisfaction to be defective from faulty workmanship or material, provided written notice is given immediately upon discovery of such defect and the defective part is promptly returned by an authorized service station to the place of manufacture, all carrying charges prepaid. Outside purchased equipment and accessories are guaranteed only to the extent that the Company recovers under the original manufacturer's guarantee. The Company shall not be held liable for any contingent damages or delays caused by defective material and will make no allowance for repairs or alterations made without written consent.
This warranty shall not apply to any tool which shall have been repaired or altered nor to expendable parts nor to tools which have been subject to mis-use, negligence or accident.

Do not ship tools to a Chicago Pneumatic Tool Company branch or manufacturing plant for service. Repair parts are available only at authorized Service Stations. (See list other side.) We recommend that tool owners secure parts or service through the Automotive Jobber from whom they purchased their CP Tools. Check with nearest Chicago Pneumatic Branch Office for name of other Chicago Pneumatic Jobbers in your area.

When forwarding a tool for repair, please mark on the packing slip the following information:

1. Reason for forwarding the tool (some idea of what is wrong).
2. Whether the tool is under warranty (within 90 days of original user purchase).
3. If under warranty, give owner's and Jobber's name and address, also the actual original user purchase date.
4. Whether an estimate of repairs is needed before the tool is to be repaired.

CHICAGO PNEUMATIC BRANCH OFFICES

ATLANTA 9, GA. . . . . 517 Armour Circle, N.E. (Phone: 404-874-8696)
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BOSTON, MASS. . . . . 76 Lincoln St. (Brighton 35) (Phone: 617 ST-2-8088)
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